Jet Propulsion Laboratory
California Institute of Technology

MISR **Multi-angle Imaging Spectro-Radiometer**

INTEROFFICE MEMORANDUM

THIS UPDATE: August 13, 2001
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **August 2001**
FILENAME: /data/MISR_Project/LM/0108_requests.fm

This is the August 2001 list of MISR Local Mode observations to be scheduled by the IOT team. Data acquisition times are based on the latest available GRNDTRCK7_* file, that of July 9, 2001. Rows proceeded with an * are extra critical: field campaign in progress.

The first table included in this monthly request list shows the length of time for each type of event and the corresponding time offset. This means that the "GMT Start Time" in the main table truly reflects the start time of any event, there is no conversion from Local Mode start time for other types of activities. The type of event is flagged as a reminder of the offset from nadir that is build into the listed time. Cal_dark sequences are scheduled every other new moon, there is a Cal_dark in August.

Table 1: Acquisition Times And Offsets

Operation	Table Abbreviation	Duration (minutes)	Before Nadir (in Table)	Comments
Local Mode	LM	7:35	3:47	
Cal_diode, sequence of 4	CD	2:08 each	4:42, first one	Warm up diodes for 5 minutes before starting Cal_diodes
Cal_dark	DK	6:10	---	Preferably 7 minutes before end of orbit
Cal_north	CN	7:11	---	Scheduled by IOT team before Cal_dark orbit
Cal_south	CS	8:10	---	Scheduled by IOT team before Cal_dark orbit

Table 2: August 2001 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS		#012	TWP_Manus	97	92	August 01, 2001	8616	2001/213/00:46:03 (LM)	95.9
L2-AS		#054	Egypt_Desert	177	73	August 01, 2001	8621	2001/213/08:53:43 (LM)	44.3
L1A	*	#210	Zurich	193	53	August 01, 2001	8622	2001/213/10:25:54 (LM)	163.1
L1A		#094	Lunar_Lake	40	60	August 01, 2001	8627	2001/213/18:42:39 (LM)	16.2
L2-AS	*	#040	Chesapeake	15	61	August 02, 2001	8640	2001/214/16:08:23 (LM)	167.6
L2-AS	*	#040	Chesapeake	13	61	August 04, 2001	8669	2001/216/15:56:12 (LM)	101.3
L2-AS		#013	TWP_Nauru	84	91	August 05, 2001	8688	2001/217/23:25:14 (LM)	3.1
Cal_Diode		#089	Libya_1	187	71	August 07, 2001	8709	2001/219/09:54:53 (CD)	4.4
L2-AS	*	#079	JPL	41	63	August 08, 2001	8729	2001/220/18:49:47 (LM)	37.8
L1B1		#091	London	201	49	August 09, 2001	8739	2001/221/11:13:50 (LM)	18.9
L1A		#140	Salar	233	107	August 10, 2001	8741	2001/221/14:51:26 (LM)	7.0
L2-AS		#012	TWP_Manus	96	92	August 10, 2001	8747	2001/222/00:39:45 (LM)	71.3
Cal_Diode		#002	Algeria_3	192	66	August 10, 2001	8753	2001/222/10:24:02 (LM)	56.7
L2-AS	*	#040	Chesapeake	14	61	August 11, 2001	8771	2001/223/16:02:05 (CD)	34.1
L1B1		#205	Plymouth	204	50	August 12, 2001	8812	2001/226/11:32:26 (LM)	57.7
Cal_Diode		#204	Egypt_1	179	69	August 15, 2001	8825	2001/227/09:04:28 (LM)	23.3

Table 2: August 2001 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#003	Algeria_5	195	66	August 15, 2001	8826	2001/227/10:42:17 (CD)	36.7
L1A		#189	White_Sands	33	64	August 16, 2001	8845	2001/228/18:00:27 (LM)	4.4
L2-AS		#012	TWP_Manus	97	92	August 17, 2001	8849	2001/229/00:45:37 (LM)	95.5
Cal_North		---	36.7 °N, 157.6 °E	209	---	August 17, 2001	8856	2001/229/11:42:28 (CN)	---
Cal_South		---	73.9 °S, 85.7 °W	225	---	August 17, 2001	8857	2001/229/14:21:13 (CS)	---
Cal_Dark		---	27.1 °S, 98.1 °E	8	---	August 17, 2001	8858	2001/229/16:21:34 (DK)	---
L2-AS	*	#040	Chesapeake	13	61	August 20, 2001	8902	2001/232/15:55:42 (LM)	103.7
L2-AS		#013	TWP_Nauru	84	91	August 21, 2001	8921	2001/233/23:24:41 (LM)	7.3
Cal_Diode		#089	Libya_1	187	71	August 23, 2001	8942	2001/235/09:54:18 (CD)	3.1
L2-AS	*	#096	JPL	41	63	August 25, 2001	8962	2001/236/18:49:11 (LM)	34.4
L1B1		#091	London	201	49	August 25, 2001	8972	2001/237/11:13:13 (LM)	21.3
L1A		#140	Salar	233	107	August 25, 2001	8974	2001/237/14:50:49 (LM)	3.1
L2-AS		#012	TWP_Manus	96	92	August 26, 2001	8980	2001/238/00:39:07 (LM)	76.6
Cal_Diode		#002	Algeria_3	192	66	August 26, 2001	8986	2001/238/10:23:24 (CD)	52.1
L2-AS	*	#040	Chesapeake	14	61	August 27, 2001	9004	2001/239/16:02:00 (LM)	25.0
L1B1		#205	Plymouth	204	50	August 30, 2001	9045	2001/242/11:33:00 (LM)	51.0
Cal_Diode		#204	Egypt_1	179	69	August 31, 2001	9058	2001/243/09:05:00 (CD)	30.0
Cal_Diode		#003	Algeria_5	195	66	August 31, 2001	9059	2001/243/10:43:00 (CD)	43.0

The column labelled "data product required" reflects the highest level of data processing that our science teams members will request, for either Global Mode or Local Mode data products. In the case of Global Mode data products, the processing to Level 2 data products may not be done for data sets acquired prior to May 1, 2001. This table thus gives a list of orbits where we would like early mission data to be processed to Level 2. As this file resides on the developers page, it is for internal JPL use only. Therefore, it is a "wishlist", and does not commit us to producing these products to outside investigators. We recognize that Local Mode data are currently only produced to L1B1 at the DAAC. Thus, the request for L2 Local Mode data products cannot be fulfilled at this time. The purpose of this column, with respect to L2-LM products, is to track of which data sets should be processes to L2, should this capability come to exist some time in the future.

This memorandum is also used as a history, documenting Local Mode and calibration data sets for future reference. The Local Mode acquisition over Lunar Lake on August 17, was cancelled in order to obtain only Global Mode data for this site. The Local Mode acquisition over Egypt_Desert on August 17, was cancelled in order to better find L1 failures for this path.